

Claims

1. A pen-type mobile telephone, comprising,
housing (1), display (2), button (3,4,5), telephone receiver (6), earphone (7)
etc., wherein,
said housing (1) of said pen-type mobile telephone has a shape of slender
rod-form;
said display (2) is in slender form and in longitudinal setting, namely the long
side in up and down direction, the wide side in left and right direction;
in said housing (1) also included are: printed circuit board (11), circuit part (12,
13) and card plug & receptacle (14);
said printed circuit board (11) uses more than 6 layer printed circuit board,
with a width smaller than the width of the housing (1);
said circuit part (12, 13) is mainly divided into radio frequency module (12)
and fundamental frequency module (13), the widths of the two modules are also
smaller than the width of the housing.
2. A pen-type mobile telephone according to claim 1, wherein a socket (9)
inserted with SIM card plug & receptacle is set at the side face of the housing (1), and
said SIM card plug & receptacle (14) uses drawer-type SIM card plug & receptacle.
3. A pen-type mobile telephone according to claim 1, wherein the volume of
said housing (1) is less than : length 140mm x width 35mm x thickness 23mm;
4. A pen-type mobile telephone according to claim 1, wherein the volume of
said housing (1) is less than :length 140mm x width 25mm x thickness 18mm;
5. A pen-type mobile telephone according to claim 1, wherein a hang buckle
(10) is installed at the top or the back of the housing (1).
6. A pen-type mobile telephone according to claim 1, wherein said printed
circuit board (11) is an 8 layer printed circuit board.
7. A pen-type mobile telephone according to claim 1, wherein a function
expansion area (15) is set at the bottom of said printed circuit board (11).
8. A pen-type mobile telephone according to claim 1 or 7, wherein a

multiple-in-one socket (16) is installed at said printed circuit board (11).

9. A pen-type mobile telephone according to claim 1 or 7, wherein a vibrating motor (23) is installed at said printed circuit board (11).

10. A pen-type mobile telephone according to claim 1 or 7, wherein at said printed circuit board a laser (24) is provided at a position corresponding to a laser exit (8) set at the bottom of the housing (1).

11. A pen-type mobile telephone according to claim 1, wherein said pen-type mobile telephone uses built-in cell (19).

12. A pen-type mobile telephone according to claim 1, wherein said pen-type mobile telephone uses built-in antenna (17).

13. A pen-type mobile telephone according to claim 1, wherein said button includes digit keys and function keys (5) in oblique arrangement, with angles of inclination between $30^{\circ} \sim 60^{\circ}$.